

Work Order ID 126615

126615

Page 1

Tuesday, November 18, 2014 7:46:24 AM

Item ID: D2580-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: 205 Bent Tube
 Start Date: 11/18/2014 Start Qty: 5.00 ***5*** Cust Item ID:
 Required Date: 11/18/2014 Req'd Qty: 5.00 ***5*** Customer:
 Reference:

Approvals: Process Plan: MCS Date: 14-11-18 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D2580	G

100

0.00

100

Skid tubes

Skid tubes

Memo

0.00

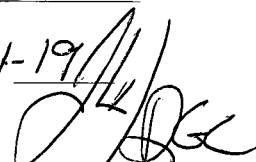
1- Inspect mat'l D2500-1-190 for damage.

2-Drill pilot holes using drill jig DT 8149 A-BC-D

3-Open holes to 0.508" as per Dwg D2580

4-Deburr holes per QSI002 section 4.2.3 and blow out all chips from inside of tube

5- Test fit inspection saddles on FWD & AFT saddle holes using DT9916.

5 Ø 14-11-19 

101

QC6- Inspect dimensions to drawing

0.00

101

QC

Quality Control

Memo

0.00

5 Ø 14-11-19

DAS
18
9-00

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110	Chemical Conversion Coat per QSI005 4.1	0.00							
110									
HandFinish	Memo	0.00							
Hand Finishing									
120	QC7-Inspect Chemical Conversion Coat	0.00							
120									
QC	Memo	0.00							
Quality Control									
125		0.00							
125									
Skidtubes	Memo	0.00							
Skidtubes	1- Bond web in place per QSI 015.								

A/R Sikaflex-291 batch: 130880
Sikaflex expire date: 15-8-19
Start time and date: 14-11-19 bond for 12hrs

DAS
03
9-89

14-11-19.

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Item ID: D2580-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: 205 Bent Tube
Start Date: 11/18/2014 Start Qty: 5.00 ***5*** Cust Item ID:
Required Date: 11/18/2014 Req'd Qty: 5.00 ***5*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	DAS 18 9-09
130 *130* QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00				5	0	14-11-20		
140 *140* Packaging Packaging	Identify as per dwg & Stock Location: <u>4/G 002</u> Memo	0.00 0.00				(S)	0	14-11-20	Dec	
150 *150* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00						14/11/20	J	

14-11-20

Picklist Print

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Work Order ID: 126615

126615

Parent Item: D2580-1

D2580-1

Parent Item Name: 205 Bent Tube

Start Date: 11/18/2014

Required Date: 11/18/2014

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP B01.11.08 Revised Step 9, 10, 12, and 13 SM IPP Rev:C
10.12.01 as per DEO D1 DD ver:ec

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2500-1-190		Manufactured	No			100	Each	121.0000	1	5			

D2500-1-190

Ext'n - 'I' Beam Tube 4"

**

14-11-18

Location

Loc Qty

Loc Code

LG002

121

105279

4

117806

25

120085

92

5

D2596

Manufactured No

100

Each

15.0000

1

5

D2596

Web, 205 Skidtube

**

Location

Loc Qty

Loc Code

LG002

15

109898

4

115734

8

122790

3

2

DGC

14-11-18.

3

DGC

14-11-19.

LIST OF MATERIALS						DESCRIPTION
ITEM	QTY -041	QTY -045	QTY -047	QTY -049	PART NUMBER	
1	X				D2580-041	SKIDTUBE ASSEMBLY
2		X			D2580-045	SKIDTUBE ASSEMBLY
3			X		D2580-047	SKIDTUBE ASSEMBLY
4				X	D2580-049	SKIDTUBE ASSEMBLY
20	1	1	1	1	D2500-1-190	EXTRUSION
21			16	16	D2570	BUSHING
22	1	1	1	1	D2576-3	STEP
23		4			D2579	SPACER
24	16	16	8	8	D2594-1	PLUG
25	16	16	8	8	D2594-3	O-RING
26	1	1	1	1	D2596	205 WEB
27	1	1	1	1	D2855	AFT CAP
28	1	1			D3564-5	WEARSHOE
29	1	1			D3564-9	WEARSHOE
30	1	1			D3564-11	WEARSHOE
31	1	1			D3564-13	WEARSHOE
32	2	2			D3566-1	GASKET
33	1	1			D3566-5	GASKET
34	1	1			D3566-13	GASKET
35	20	20	24	24	D4202-1	SPACER
36			1		D4406-041	WEARPLATE ASSEMBLY
37			1		D4406-043	WEARPLATE ASSEMBLY
37				1	D5061-1	FWD WEARPLATE
37				1	D5061-3	AFT WEARPLATE
50	50	50			ALS7-1032-130 or AKS7-1032-130 or AKS4-1032-130 or AELS-1032-130	INSERT
51	50	50			AN3C4A	BOLT
52	2	2	2	2	AN3-5A	BOLT
53			8	8	AN4-45A	BOLT
54	50	50			NAS1149C0332R	WASHER (AN960C10L)
55	2	2	2	2	NAS1149D0332J	WASHER (AN960JD10L)
56			8	8	MS21042-4	NUT (OR MS21042L4)

GENERAL NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: CHEMICAL CONVERSION PER DART QSI 005 4.1 PRIOR TO INSERTING D2596 WEB POWDER COAT ASSEMBLY (-041/-047/-049) GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3 POWDER COAT ASSEMBLY (-045) GREEN SANDTEX (REF 4.3.5.8) PER DART QSI 005 4.3 BLACK ANTI-SKID PAINT AS INDICATED PER DART QSI 005 4.4.
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED.
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX.
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: D2580-041 = 34.5 lbs
D2580-045 = 34.5 lbs
D2580-047 = 45.1 lbs
D2580-049 = 32.0 lbs
- 8) WELDING PER DART QSI 004.
- 9) INSERT D2596 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241 ADHESIVE PER DART QSI 015 BEFORE BENDING. ENSURE HOLES LINE-UP.
- 10) BEND AS A SMOOTH RADIUS STARTING WITH A MAXIMUM CENTERLINE RADIUS OF 60 AND ENDING WITH A MINIMUM RADIUS OF 30. A MAXIMUM REDUCTION OF 0.200 IN DIAMETER IS ALLOWABLE IN THE BENT PORTION OF THE TUBE.
- 11) USE DART DRILL TEMPLATE DT8217 & DT8937 ONLY FOR D2580-041/-045 TO LOCATE AND DRILL Ø0.297 HOLES FOR WEARSHOE INSERTS. INSTALL ALS7-1032-130 PER SECTIONS B-B AND F-F (50 PLACES) AFTER FINISH. INSTALL AN3C4A BOLTS AND NAS1149C0332R WASHERS WITH SIKAFLEX-241/-291.
- 12) INSERT D2594-1 PLUG C/W D2594-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE) AFTER FINISH (16 PLACES FOR D2580-041/-045 AND 8 PLACES FOR D2580-047/-049)
- 13) IT IS ACCEPTABLE TO GRIND A RELIEF IN THE D2855 AFT CAP TO PREVENT INTERFERENCE WITH THE SPACER AT THIS LOCATION

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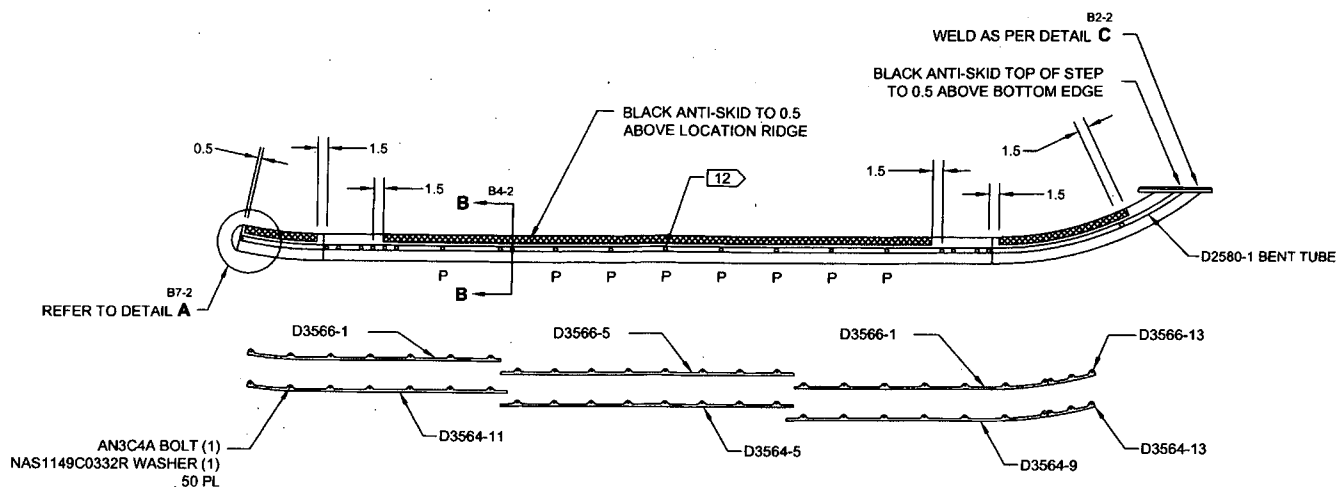
WORK ORDER

126615.MCS

14-11-18

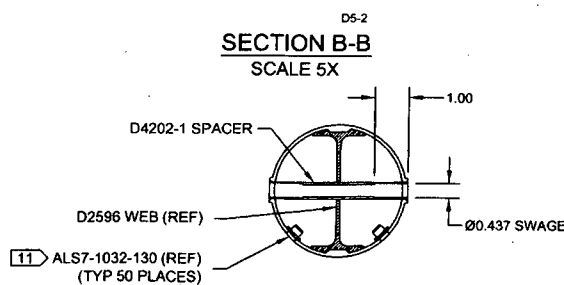
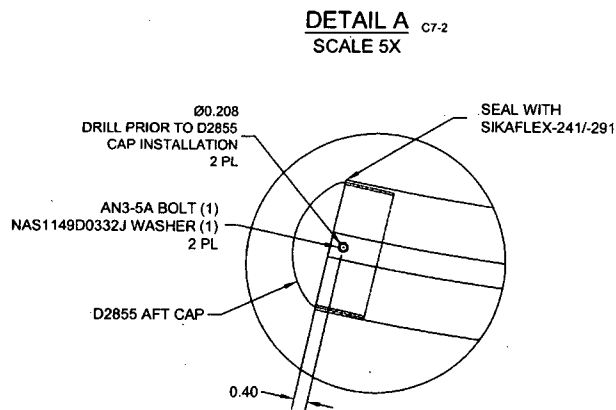
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2014-04-29

G	ADDED -049, -047 WEIGHT UPDATED PER DSI 9598	AJS	14.04.09
F	INCORPORATE DEO D2580-E-1 PER PAR12-218	DC	13.06.20
E	ADD D2580-047 (ZN C4-7) AND D2580-7 (ZN B3-8); INCLUDED DEO D2580-D-1; REFORMATTED DRAWING TO CURRENT STANDARDS; DT8217 & DT8937 WAS TD2577-205 (ZN C4-1)	RF	11.06.21
D	CHANGE TO SS WEARPLATES AND GASKETS, INCLUDE DEO 9124/ 9183	PH	07.04.05
C	REDRAWN, INCLUDED DEO 9094/ 9097	CP	98.08.26
B	AS MANUFACTURED	DS	96.12.02
A	NEW ISSUE	DS	96.09.16
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	A.P.	DRAWING NO.	REV. G
MFG. APPR.	AS	D2580	SHEET 1 OF 9
APPROVED	AS	TITLE	SCALE
DE APPR.	AS	205 SKIDTUBE ASSEMBLY	NTS
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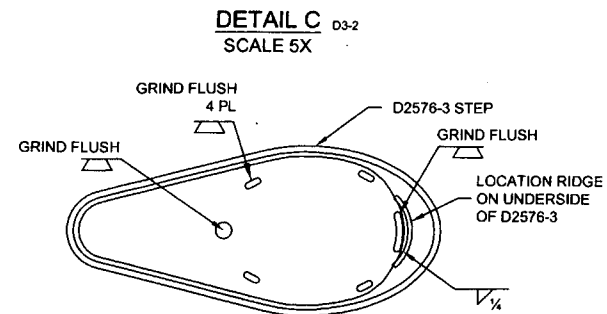


D2580-041 ASSEMBLY DETAIL

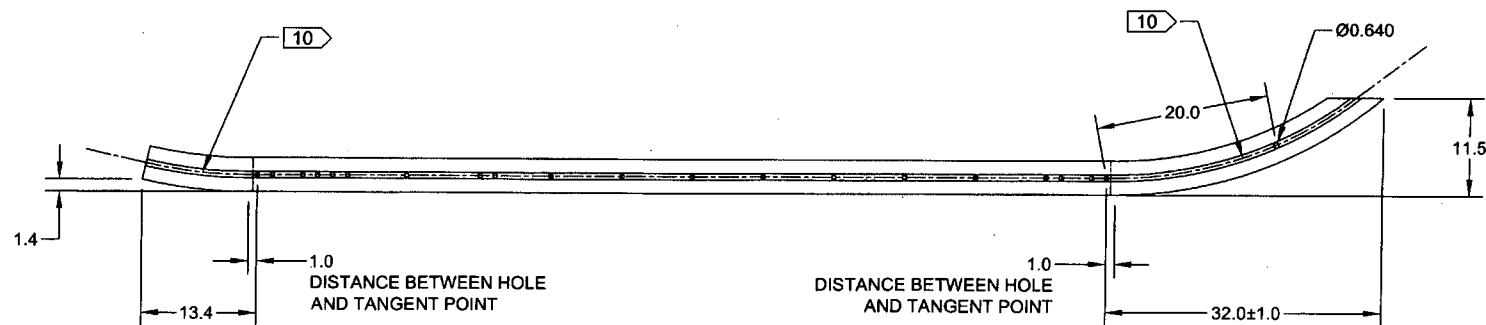
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AFTER DRILLING AND BENDING ASSEMBLY
PERFORM THE FOLLOWING FOR Ø0.508 HOLES ONLY:
1. INSERT D4202-1 SPACER (20 PLACES)
2. SWAGE TO Ø0.437 X 1.00 DEEP PER QSI 002
3. TRIM / GRIND FLUSH PER QSI 002



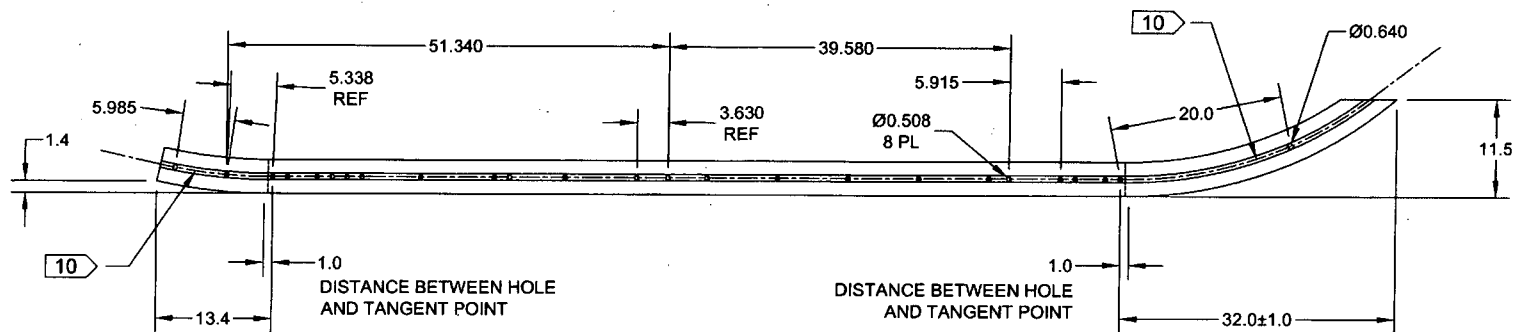
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D2580-1 BENT TUBE
(MAKE FROM D2580-101 TUBE)

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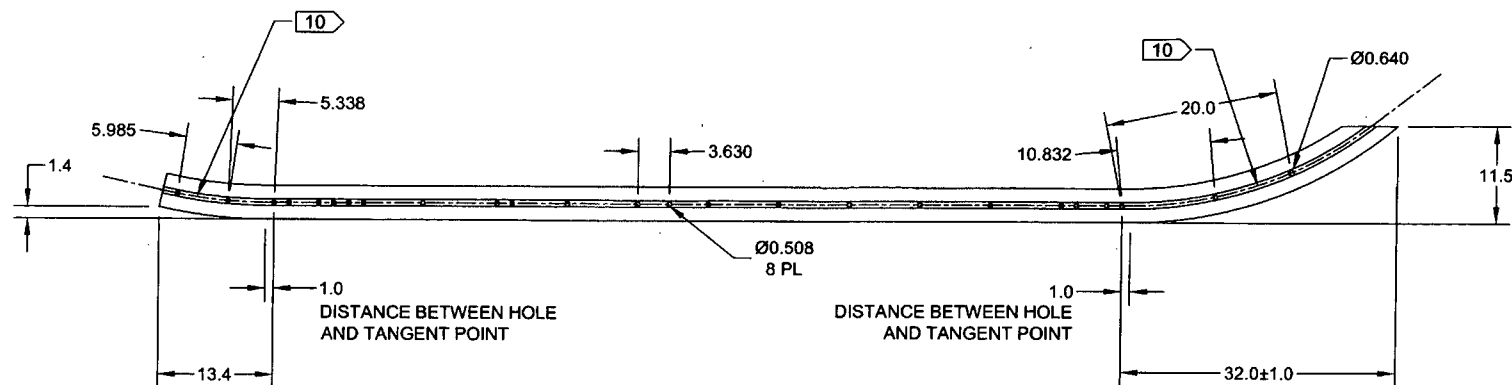
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APPROVED	M	205 SKIDTUBE ASSEMBLY	NTS
DE APPR.	M	DATE 14.04.09	
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D2580-5 BENT TUBE
(MAKE FROM D2580-101 TUBE)

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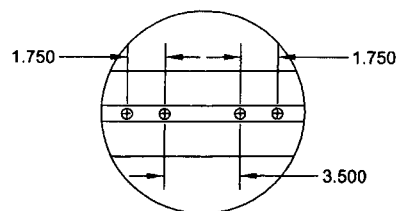
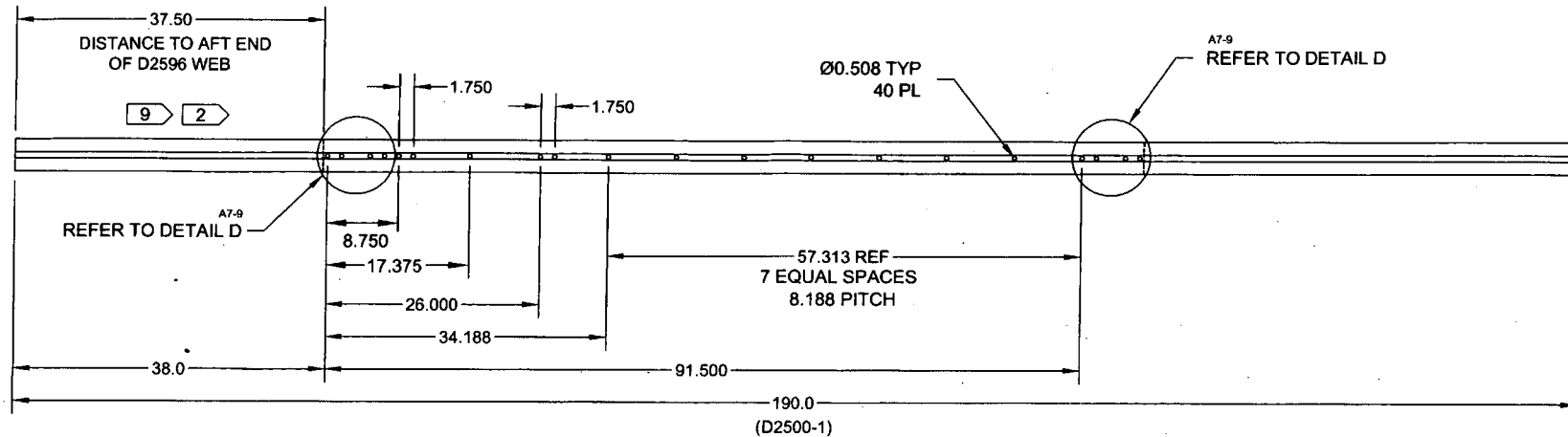
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D2580-7 BENT TUBE
(MAKE FROM D2580-101 TUBE)

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2014-04-29
WJD

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DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
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MFG. APPR.			SHEET 8 OF 9
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DETAIL D C3-9
SCALE 5X C7-9

D2580-101 TUBE

RELEASED
2014-06-29
MD

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